

Nutrient Broth

Product No. CM106

Intended Use

Used for the cultivation of many species of non-nutritionally demanding microorganisms.
(SN)

Specification 250 g

Ingredients	(g/L)
Peptone	10.0
Beef Extract	3.0
Sodium Chloride	5.0
Glucose	1.0
(pH 7.5 ± 0.2)	

Additional Reagents

No

Principle and Interpretation

Peptone and beef extract are used as nutrients in the culture medium to provide nitrogen sources and growth factors required for the growth of bacterial cells. Glucose provides the carbon source required for the growth of bacterial cells; Sodium chloride maintains osmotic pressure balance.

Directions

Suspend 19.0 g of the powder in 1 L of distilled water. Heat with frequent agitation and boil to dissolve completely. Autoclave at 121°C for 15 minutes.

Precautions

No

Quality Control

Microorganisms	Inoculum (CFU)	Inoculation counting medium	Method	Incubation	Growth (Turbidity)
<i>Escherichia coli</i> ATCC 25922	10-100	TSA	Semi-quantitative	36°C±1°C 18h-24h	Turbidity 2 or flake growth
<i>Escherichia coli</i> CICC 25012 [CMCC(B) 43201]					
<i>Staphylococcus aureus</i> ATCC 6538					
<i>Staphylococcus aureus</i> CICC 25018 [CMCC(B) 26305]					
<i>Bacillus subtilis</i> ATCC 6633					
<i>Bacillus subtilis</i> CICC 25023 [CMCC(B) 63542]					

Storage Conditions

Keep container tightly closed and store in a cool dry place.

Shelf Life

3 years.

Related Products

Product No.	Product Name	Specification
CM106-01	Nutrient Broth	1000 g

For laboratory use in industry or R&D purpose. Not for drug, household or other uses.